Source Locations

Facility ID	Source ID	Coordinate system	Longitude (decimal) or UTM East (m)	Latitude (decimal) or UTM North (m)	UTM zone number with hemisphere
08013WESTERN	CEPO0002	L	-105.2275650	40.0178849	
08013WESTERN	CESC0001	L	-105.2273190	40.0179812	
080593832911	CEAR0001	L	-105.1272220	39.7336110	
080593832911	CECE0005	L	-105.1272220	39.7336110	
080593832911	CEEG0002	L	-105.1272220	39.7336110	
080593832911	CEHC0003	L	-105.1278216	39.7336053	
080593832911	CENO0010	L	-105.1272760	39.7336882	
080593832911	CEPO0007	L	-105.1278216	39.7336053	
080593832911	CEPR0008	L	-105.1278216	39.7336053	
080593832911	CESC0006	L	-105.1272220	39.7336110	
080593832911	CESC0011	L	-105.1272760	39.7336882	
080593832911	CEVP0009	L	-105.1278216	39.7336053	
080593868611	CEAR0001	L	-105.1598660	39.8150930	
080593868611	CECE0003	L	-105.1598660	39.8150930	
080593868611	CEHC0002	L	-105.1607124	39.8144370	
080593868611	CEPO0005	L	-105.1607124	39.8144370	
080593868611	CEPR0006	L	-105.1607124	39.8144370	
080593868611	CESC0004	L	-105.1598660	39.8150930	
080593868611	CEVP0007	L	-105.1607124	39.8144370	
0806912847611	CEPO0002	L	-105.1079974	40.4023280	
0806912847611	CESC0001	L	-105.1078010	40.4023020	
460115047611	CEPO0008	L	-96.7657578	44.2946635	
460115047611	CESC0007	L	-96.7645460	44.2960350	
490357307111	CEAR0001	L	-112.0284570	40.7801990	
490357307111	CECE0005	L	-112.0284570	40.7801990	
490357307111	CEEG0002	L	-112.0285710	40.7801860	
490357307111	CEHC0003	L	-112.0279140	40.7802530	
490357307111	CENO0004	L	-112.0284580	40.7801800	
490357307111	CEPO0007	L	-112.0280850	40.7805207	
490357307111	CEPR0008	L	-112.0279140	40.7802530	
490357307111	CEPR0009	L	-112.0275840	40.7803650	
490357307111	CEPR0010	L	-112.0276009	40.7802180	
490357307111	CESC0006	L	-112.0285710	40.7801860	
490357307111	CEVP0011	L	-112.0275840	40.7803650	
490357697511	CEAR0001	L	-111.8947100	40.5788300	
490357697511	CEHC0002	L	-111.8944440	40.5783330	
490357697511	CEPO0004	L	-111.8944440	40.5786110	
490357697511	CEPR0005	L	-111.8938880	40.5786110	
490357697511	CESC0003	L	-111.8947100	40.5788300	
490357697511	CEVP0006	L	-111.8938880	40.5786110	

Dimensions & Release Height (non-point sources)							
Source type	Length in x direction (m)	Length in y direction (m)	Angle (degrees)	Initial lateral dimension (m)	Initial vertical dimension (m)	Release height (m)	Stack height (m)
A	30.47999995	21.33599997	0			4.571999993	
P							12.2
P							12.1
P							12.1
P							12.1
A	68.5799999	54.86399992	44			4.369307993	
P							8.7
A	68.5799999	54.86399992	44			4.369307993	
A	68.5799999	54.86399992	44			4.369307993	
P							12.1
P							15.0
A	68.5799999	54.86399992	44			4.369307993	
P							12.0
P							12.0
A	143.2559998	202.6919997	0			4.571999993	
A	143.2559998	202.6919997	0			4.571999993	
A	143.2559998	202.6919997	0			4.571999993	
P							12.0
A	143.2559998	202.6919997	0			4.571999993	
A	36.57599994	85.34399987	12			4.571999993	
P							4.9
A	245.3639996	300.2279995	0			4.571999993	
P							12.2
P							15.2
P							15.2
P							15.8
P							7.3
P							7.9
P							9.1
P							15.2
P							15.2
P							7.9
P							15.8
P							15.2
P							15.8
P							3.7
P							4.7
P							4.9
P							15.8
P							4.9

Point Source Parameters				Line and Buoyant Line Endpoints			Deposition M
Stack diameter (m)	Exit velocity (m/sec)	Exit temperature (K)	Elevation (m)	Longitude (decimal) or UTM East (m)	Latitude (decimal) or UTM North (m)	Method	Massfrac
0.3048	6.09599999	422.024					
0.69342	6.87343322	305.369					
0.69342	6.87343322	305.369					
0.2032	22.4118171	299.814					
0.6096	4.85104266	299.814					
0.2032	22.4118171	299.814					
0.9144	9.99743998	343.143					
0.54864	8.78378094	344.254					
0.54864	8.78378094	344.254					
0.54864	8.78378094	344.254					
1.2192	0.00404254	323.145					
0.3048	6.09599999	422.024					
1.2192	11.00328	303.7025					
1.2192	11.00328	303.7025					
0.36576	9.40691605	296.09215					
0.3048	6.09599999	299.814					
1.0668	1.58401393	299.814					
1.0668	3.23402844	299.814					
0.6096	12.5350942	299.814					
0.6096	6.09599999	299.814					
0.9144	3.89454922	299.814					
0.36576	9.40691605	296.09215					
0.6096	6.09599999	299.814					
0.6096	9.53876688	322.53395					
0.82296	5.33399999	294.259					
2.7432	0.381	294.259					
0.5334	6.47699999	297.0365					
0.6096	9.53876688	322.53395					
0.5334	6.47699999	297.0365					

ethod

Partdiam

Cell: A2
Comment: [Threaded comment]

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Comment:
Enter the Facility ID as an alphanumeric string (up to 30 characters long) identifying the facility being modeled. This ID must match the facility ID used in other input files for the same facility.

Cell: B2
Comment: [Threaded comment]

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Comment:
Enter the Source ID as a unique alphanumeric character string up to 8 characters long, with no spaces or typographical symbols, matching exactly the Source ID in other input files (e.g., the HAP Emissions file).
Note: If modeling deposition and/or depletion and pollutant properties are known to vary, use a separate record for each pollutant and source. Thus, if modeling gaseous deposition /depletion, use a unique Source ID for each pollutant emitted from a given source (e.g., SAMPLE3A for benzene, SAMPLE3B for 1,3-butadiene). The same is true for particulate deposition /depletion if the particulate properties (size and density distributions) are known and vary for pollutants. If you are not modeling gaseous deposition /depletion and the same properties are assumed for all particulates emitted from a source, one Source ID per emission source is sufficient (e.g., SAMPLE3 for all modeled pollutants from the same source).

Cell: C2
Comment: [Threaded comment]

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Comment:
Enter U or L for the type of coordinate system (U=UTM, L=lat/lon)[WGS84]

Cell: D2
Comment: [Threaded comment]

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Comment:
Enter the Longitude (decimal) or UTM East (m) coordinate. Use the center for point or volume sources, the southwest corner for area sources, the first vertex for polygon sources, and the beginning point for line or buoyant line sources. For longitudes, 5 decimal places is recommended, corresponding to 1 meter accuracy. Note that the start and end coordinates for buoyant line sources must be entered in order from West to East, and from South to North. Incorrect ordering of these parameters will result in an AERMOD error stating "Input buoyant line sources not in correct order".

Cell: E2
Comment: [Threaded comment]

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Comment:
Enter the Latitude (decimal) or the UTM North (m) coordinate. Use the center for point or volume sources, the southwest corner for area sources, the first vertex for polygon sources, and the beginning point for line or buoyant line sources. For latitudes, 5 decimal places is recommended, corresponding to 1 meter accuracy. Note that the start and end coordinates for buoyant line sources must be entered in order from West to East, and from South to North. Incorrect ordering of these parameters will result in an AERMOD error stating "Input buoyant line sources not in correct order".

Cell: F2
Comment: [Threaded comment]

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Comment:
If using the UTM coordinate system, enter the UTM Zone from 1 to 60 followed by the hemisphere (S or N). For example, 17N. Leaving off the hemispshere will default to N. If using lat/lon, leave this cell blank.

Cell: G2
Comment: [Threaded comment]

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Comment:
Enter the source type according to the following: P=vertical point, C= capped point, H=

horizontal point, A=area, V=volume, I=polygon, N=line, B=buoyant line.
For additional information on these source types, including what additional fields are needed, see the AERMOD User's Guide at
https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf

Cell: H2
Comment: [Threaded comment]

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Comment:
For area and line source types, enter the length (m). For area sources, this is the length in the x direction before the source is rotated (if it is rotated). For line sources, just enter the length of the source.

Cell: I2
Comment: [Threaded comment]

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Comment:
For area source types, enter the length in the y direction (m). This is the length in the y direction before the source is rotated (if it is rotated).

Cell: J2
Comment: [Threaded comment]

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Comment:
For area source types, enter the angle of rotation (from North) between 0 and 90 degrees. See the HEM4 User's Guide for more information.

Cell: K2
Comment: [Threaded comment]

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Comment:
Enter the initial lateral/horizontal dimension (m) for volume source types.

Cell: L2
Comment: [Threaded comment]

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Comment:
Enter the initial vertical dimension (m) for volume source types, and optionally for area, polygon and line source types.

Cell: M2
Comment: [Threaded comment]

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Comment:
Enter the release height (m) for area, polygon, volume, line, or buoyant line sources. Use the height of the source for area and polygon sources and the vertical center for volume sources. This field is optional and defaults to 0 meters, if left blank.

Cell: N2
Comment: [Threaded comment]

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Comment:
For point source types, enter the release height above the ground (m)

Cell: O2
Comment: [Threaded comment]

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Comment:
For point source types, enter the diameter of the stack (m)

Cell: P2
Comment: [Threaded comment]

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Comment:
For point source types, enter the velocity (m/s) at which emissions are released from the stack

Cell: Q2
Comment: [Threaded comment]

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Comment:
For point source types, enter the temperature (in Kelvin) at which emissions exit the stack

Cell: R2
Comment: [Threaded comment]

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Comment:
Enter the source base elevation above sea level (m). Use when modeling terrain effects and user-specified elevations are desired. This field is optional; HEM4 will calculate if all source elevations are left blank. Note: if an elevation value is provided by the user for one or more sources, any blanks (i.e., non-entries for other source elevations) will be interpreted by the model as an elevation of 0 meters. Therefore it is advisable to either enter elevations for every source or leave all blank.

Cell: S2
Comment: [Threaded comment]

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Comment:
Enter the end coordinate for line and buoyant line source types. Use decimal longitude (5 decimal places) if coordinate system =L; use UTM east coordinate (m) if coordinate system = U. Note that the start and end coordinates for buoyant line sources must be entered in order from West to East, and from South to North. Incorrect ordering of these parameters will result in an AERMOD error stating “Input buoyant line sources not in correct order”.

Cell: T2

Comment: [Threaded comment]

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Comment:

Enter the end coordinate for line and buoyant line source types. Use decimal latitude (5 decimal places)if coordinate system = L; use UTM north coordinate (m) if coordinate system = U. Note that the start and end coordinates for buoyant line sources must be entered in order from West to East, and from South to North. Incorrect ordering of these parameters will result in an AERMOD error stating “Input buoyant line sources not in correct order”.

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